



The World's Largest and Most Open EV Charging Network



Largest Community of EV drivers

- + 80% of new EV drivers join ChargePoint network every month
- + A driver plugs into our network every 2 seconds



Charging Everywhere

- + 55,000+ charging spots in US alone
- + 800+ ports added every month



We're Established and Growing

- + Almost \$300 million in funding
- + 74%+ share of commercial smart charging marketshare

We Are the Industry Leader

According to Time, Bloomberg, CNBC, Navigant Research

Design and Planning Considerations

- 1) Choose the Right Hardware/Software/Vendor
 - Charging Speeds & Station Types
 - Value of a Network
 - Ongoing Maintenance/Repairs
- + 2) Site Assessment for Install Costs
 - Installation Options
 - Site Considerations
- + 3) Future Expansion
 - Laying Conduit
 - Power Management





Charging Speeds & Station Types

EXPRESS

EV Charging Options Typical Charging Kilowatts Amperage Voltage Connector **Primary Use** Time AC 12-16 1.3 - 1.912-60 hours J1772 Backup charge 120 V Level 1 kW 2-5 miles RPH connector Some Home use amps Park and charge AC 6-80 2-4 hours J1772 208 V or Up to 19.2 Residential, Level 2 240 V kW 10-30 miles RPH commercial and public connector amps charging SAE Combo, Commercial, public 15-45 minutes DC Fast 70-125 208 V or 24-150+ Tesla, Charging while 100-250 miles Charge 480 V kW ChaDeMo traveling long amps **RPH** connector distances (en-route)

Commercial Level 2 Charging Stations

- **+ Speed**: Provides 20-25 RPH (miles of Range Per Hour).
- + Clean Cord Technology: Self-retracting, maintenance free, ultra-lightweight cord management system.
- + Power Management Options: Cut installation costs and double the number of parking spots served.
- + Branding and Customization: Promote your brand with an LCD screen and customizable signage.
- + 3G "Smart" Connectivity: Allows for many driver experience enhancements as well as station owner flexibility controls.
- + Consumer Friendly User Interface: Available in multi languages (English, French, and Spanish), interactive animated user interface, and touch buttons for input (glove and ice operations).
- **+ Compatibility**: 100% of EVs can charge with our Level 2 Chargers including Tesla







Selecting the Right Level 2 Hardware



- Dedicated fleet use
- + RFID can be disabled (behind fence)
- + Accepts only Fleet Accounts
- Driver Accounts not accepted
- + Access control for individual fleets



- Shared with non-fleet users
- Requires RFID
- Fleet & Driver accounts accepted
- + Driver & Fleet access control

CPF25

CT4000

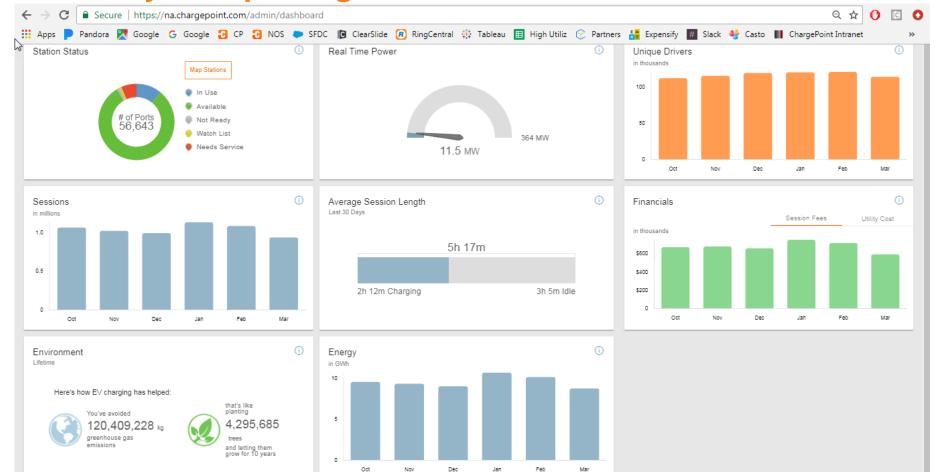


Value of "Smart" Networked Stations

Capability	Smart Charger	Dumb Charger
Dispense Electricity	✓	✓
Visible to Drivers * through mobile app, turn by turn directions, nearby amenities, real-time availability, 24/7/365 driver support	✓	×
Ability to Charge \$ per Session * by kWh, time of use, or drivers	✓	×
Access Control * public/private, loyalty rewards	✓	×
Remote Access and Maintenance * proactive monitoring, rules/software updates, etc.	✓	×
Data Analytics * station usage, # of unique drivers, charging behavior, utilization, revenue, and costs	✓	×
Sustainability Reporting *GHG savings, fuel savings	✓	×

Visibility & Reporting: Dashboard







Ongoing Maintenance: ChargePoint 'Assure' Coverage

Industry leading parts and on-site labor warranty that covers repair and/or replacement of defective stations included at no extra cost



- · Proactive Monitoring... we view remotely to ensure proper functionality
 - ChargePoint often knows about a problem before the host and will contact the host for proactive repairs
 - Proactive support and reliability with virtually no administrative efforts or unexpected costs annually
- Includes all Parts and On-Site Labor to repair or replace product defects
 - One business day on-site response or one business day from parts delivery.
 ChargePoint assumes all triage and repair coordination responsibilities
 - Coverage in all 50 US states + Canada
- Monthly and quarterly reporting/analytics emailed to station owners
- 98% Annual Uptime Guarantee
- Can be purchased for up to 5 years, up-front or annual billing available





Station Installation Options

- A
- Use Your Preferred Electrician for the Entire Project (make-ready & installation)
 - We provide training @ www.chargepointuniversity.com

- B
- Use Your Preferred Electrician to Provide Make-Ready Work (picture on next slide)
 - We will send our electrician for final station hookup & provisioning

- C
- Use ChargePoint's Preferred Electrician to Complete Entire Project
 - We will help coordinate & schedule a site assessment

Examples of Make-Ready Sites

Wall Mount



Bollard Mount



Site Assessment: Considerations

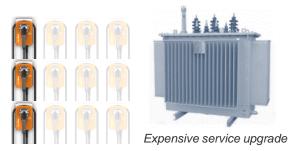
- Aspects to Consider
 - Proximity to power source
 - Cell signal, 3G or LTE
 - Potential trenching
 - Lighting and security
 - Visibility and signage
 - Future Expansion
 - Extra Conduit for Future Stations
 - Power Management (more on next slide)



Future Expansion Cost Considerations

Without Panel Sharing

- + Each station requires a fully dedicated 40 amp circuit at all times, no matter how many vehicles plugged in
- Expensive service upgrade required in order to accommodate more than a small handful of stations



With Panel Sharing

- Panel Share works by setting a cap on the aggregate power of all stations, or groups of stations
- + Vehicles draw full power when few are plugged in
- + Power is intelligently shared when many vehicles are plugged in
- Capital Cost Savings: avoid service upgrades
- + Electricity Bill savings: demand charge avoidance





Use Existing service



Let's continue the discussion. Questions?

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ChargePoint